

FORM PTO-1449 DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 1005-DJD	SERIAL NO. 09/176,587
	APPLICANT DUPRAY	
	FILING DATE October 21, 1998	GROUP ART 3662

## U.S. PATENT DOCUMENTS

*EXAMINE R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
DP	AA	5,999,124	12/07/99	Sheynblat	342	357.09	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO

## OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROP.
	1.	6,047,192	4/4/00	Maloney et al.	455	456	
	2.	6,028,551	2/22/00	Schoen et al.	342	357	
	3.	6,026,304	2/15/00	Hilsenrath et al.	455	456	
	4.	5,999,124	12/7/99	Sheynblat	342	357.09	
	5.	5,873,329	11/16/99	Yost et al.	455	456	
DP	6.	5,982,324	11/9/99	Watters et al.	342	357.06	
	7.	5,977,913	11/2/99	Christ	342	465	
	8.	5,973,643	10/26/99	Hawkes et al.	342	457	
	9.	5,963,866	10/5/99	Palamara et al.	455	456	
	10.	5,926,133	7/20/99	Green, Jr.	342	363	

FOREIGN PATENT DOCUMENTS

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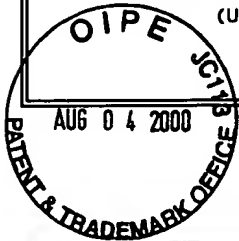
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GROUP ART 3662



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DP	1	6,064,942	5/16/00	Johnson et al.	709	213	
↑	2	6,064,339	5/16/00	Wax et al.	342	417	
	3	6,047,192	4/4/00	Maloney et al.	455	456	
	4	6,038,668	3/14/00	Chipman et al.	713	201	
	5	6,031,490	2/29/00	Forssén et al.	342	457	
	6	6,029,161	2/22/00	Lang et al.	707	1	
	7	6,028,551	2/22/00	Schoen et al.	342	357	
	8	6,026,304	2/15/00	Hilsenrath et al.	455	456	
	9	6,014,102	1/11/2000	Mitzlaff et. al.	342	456	
	10	6,009,334	12/28/1999	Grubeck et. al.	355	456	
	11	5,999,124	12/7/99	Sheynblat	342	357.09	
	12	5,987,329	11/16/99	Yost et al.	455	456	
	13	5,983,214	10/5/99	Lang et al.	707	1	
	14	5,982,891	11/9/99	Ginter et al.	380	4	
	15	5,978,840	11/2/99	Nguyen et al.	709	217	
	16	5,977,913	11/2/99	Christ	342	465	
	17	5,973,643	10/26/99	Hawkes et al.	342	457	
	18	5,963,866	10/5/99	Palamara et al.	455	456	
	19	5,933,822	8/3/99	Braden-Harder et al.	707	5	
	20	5,926,133	7/20/1999	Green	342	363	
	21	5,924,090	7/13/99	Krellenstein	707	5	
	22	5,920,873	7/6/99	Van Huben et al.	707	202	
	23	5,913,170	6/15/99	Wortham	455	457	
	24	5,893,091	4/6/99	Hunt et al.	707	3	
↓	25	5,883,598	3/16/99	Hunt et al.	342	457	
DP	26	5,873,076	2/16/99	Barr et al.	707	3	

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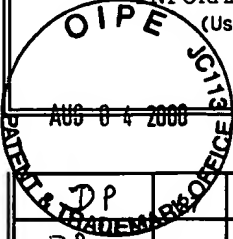
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DP		5,867,799	2/2/99	Lang et al.	707	1	
DP	28	5,867,495	2/2/99	Elliott et al.	370	352	
↑	29	5,822,539	10/13/98	van Hoff	395	200.66	
	30	5,819,301	10/6/98	Rowe et al.	707	513	
	31	5,819,273	10/6/98	Vora et al.	707	10	
	32	5,802,518	9/1/98	Karaev et al.	707	9	
	33	5,774,829	6/30/98	Cisneros et al.	701	213	
	34	5,737,431	4/7/98	Brandstein et al.	381	92	
	35	5,736,964	4/7/98	Ghosh et al.	342	457	
	36	5,724,047	3/3/98	Lioio et al.	342	442	
	37	5,719,584	2/17/98	Otto	342	465	
	38	5,675,788	10/7/97	Husick et al.	395	615	
	39	5,663,734	9/2/97	Krasner	342	357	
	40	5,604,765	2/18/97	Bruno et al.	375	200	
	41	5,583,517	12/10/96	Yokey et al.	342	457	
	42	5,563,611	10/8/96	McGann et al.	342	389	
	43	5,526,001	6/11/96	Rose et al.	342	442	
	44	5,512,908	4/30/96	Herrick	342	387	
	45	5,444,451	8/22/95	Johnson et al.	342	453	
	46	5,422,813	6/6/95	Schuchman et al.	364	449	
	47	5,402,520	3/28/95	Schnitta	395	22	
	48	5,389,934	2/14/95	Kass	342	357	
	49	5,379,224	1/3/95	Brown et al.	364	449	
	50	5,365,450	11/15/94	Schuchman et al.	364	449	
	51	5,365,447	11/15/94	Dennis	364	449	
	52	5,349,631	9/20/94	Lee	379	59	
	53	5,317,323	5/31/94	Kennedy et al.	342	457	
	54	5,311,195	5/10/94	Mathis et al.	342	357	
DP	55	5,295,180	3/15/94	Vendetti et al.	379	59	
	56	5,280,295	1/18/94	Kelley et al.	342	463	

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GROUP ART 3662

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57	5,278,892	1/11/94	Bolliger et al.	379	60	
58	5,260,711	11/9/93	Sterzer	342	375	
59	5,243,530	9/7/93	Stanifer et al.	364	452	
60	5,225,842	7/6/93	Brown et al.	342	357	
61	5,218,618	6/8/93	Sagey	375	001	
62	5,218,367	6/8/93	Sheffer et al.	342	457	
63	5,214,789	5/25/93	George	455	33.2	
64	5,191,342	3/2/93	Alsup et al.	342	465	
65	5,166,694	11/24/92	Russell et al.	342	457	
66	5,163,004	11/10/92	Rentz	364	460	
67	5,142,590	8/25/92	Carpenter et al.	382	14	
68	5,099,245	3/24/92	Sagey	342	357	
69	5,055,851	10/8/91	Sheffer	342	457	
70	5,017,926	5/21/91	Ames et al.	342	353	
71	5,008,679	4/16/91	Effland et al.	342	353	
72	5,003,317	3/26/91	Gray et al.	342	457	
73	4,992,796	2/12/91	Apostolos	342	156	
74	4,914,689	4/3/90	Quade et al.	379	142	
75	4,888,523	8/22/89	Friedman, Laurence et al.	380	23	
76	4,879,713	11/7/89	Ichiyoshi	370	75	
77	4,876,550	10/24/89	Kelly	342	451	
78	4,864,313	9/5/89	Konneker	342	457	
79	4,860,352	8/22/89	Laurence et al.	380	23	
80	4,857,840	8/15/89	Lanchais	324	207	
81	4,799,062	1/17/89	Sanderford, Jr. et al.	342	450	
82	4,742,357	5/3/88	Rackley	342	457	
83	4,740,792	4/26/88	Sagey et al.	342	457	
84	4,670,758	6/2/87	Campbell	342	458	
85	4,651,157	3/17/87	Gray et al.	342	457	
86	4,636,795	1/13/87	Dano	342	387	

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GROUP ART 3662

DP	87	4,630,057	12/16/86	Martin	342	358	
	88	4,475,010	10/2/84	Huensch et al.	179	2 EB	
	89	4,438,439	3/20/84	Shreve	343	449	
	90	4,347,618	8/31/82	Kavouras et al.	375	37	
	91	4,232,313	11/4/80	Fleishman	343	6 R	
	92	4,023,176	5/10/77	Currie et al.	343	113 E	
	93	3,886,553	5/27/75	Bates	343	112 R	
DP	94	Re. 31,962	7/30/1985	Brodeur	343	389	

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
DP	95	WO 93/04453	3/4/1993	PCT	G08G	1/127		
	96	WO 94/27161	11/24/94	PCT	G01S	1/24		
	97	EP 0 689 369 A1	6/19/95	Europe	H04Q	7/38		
	96	EP 0 546 758 A2	12/1/92	Europe	H04Q	7/04		
	99	GB 2 155 720 A	9/25/85	United Kingdom	H04B	1/59		
	100	GB 1 605 207	6/17/75	United Kingdom	G01S	11/00		
DP	101	EP 0 177 203 A2	9/9/85	Europe	G01S	1/20		

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DP	102	Driscoll, "Wireless Caller Location Systems", 1998, <i>GSP World Advanstar Communications, Inc.</i> , <a href="http://www.gpsworld.com/1198/1198driscoll.html">www.gpsworld.com/1198/1198driscoll.html</a> , pgs. 1-8
	103	Junius et al., "New Methods for Processing GSM Radio Measurement Data: Applications for Locating, Handover, and Network Management", 1994, <i>IEEE</i> , 0-7803-1927-3/94, pgs. 338-342
	104	Low, "Comparison of Urban Propagation Models with CW-Measurements", 1992, <i>IEEE</i> , 0-7963-2/92, pgs. 936-942
	105	"Location Systems and Technologies", 1994, <i>Wireless Emergency Services JEM Report</i> , Annex A pgs. 42-46 and Appendix A pgs. 1-2
DP	106	"The Measearch Engine Years: Fit the First", 1992, <a href="http://www.conman.org/people/spc/refs/search.hpl.html">http://www.conman.org/people/spc/refs/search.hpl.html</a> , pgs. 1-3

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Fechner et al., "A Hybrid Neural Network Architecture for Automatic Object Recognition", 1994, *IEEE*, pgs. 187-194108 Kosko, "Fuzzy Systems as Universal Approximators", 1994, *IEEE*, 0018-9340/94, pgs. 1329-1333109 Mardiraju et al., "Neural Networks for Robust Image Feature Classification: A Comparative Study", 1994, *IEEE*, 0-7803-2026-3/94, pgs. 423-430110 Sousa et al., "Delay Spread Measurements for the Digital Cellular Channel in Toronto", Nov. 1994, *IEEE*, vol. 43, No. 4, pgs. 837-847111 Goldsmith et al., "A Measurement-Based Model for Predicting Coverage Areas of Urban Microcells", Sept. 1993, *IEEE*, vol. 11, No. 7, pgs. 1013-1023112 Ichitsubo et al., "A Statistical Model for Microcellular Multipath Propagation Environment", Prior to 12/22/97, *Wireless Systems Laboratories, Japan*, pgs. 1-6113 Wittenben et al., "A Low Cost Noncoherent Receiver with Adaptive Antenna Combining for High Speed Wireless Lans", Prior to 12/22/97, *ASCOM Systec AG*, pgs. 1-4

114 Gaspard et al., "Position Assignment in Digital Cellular Mobile Radio Networks (e.g. GSM) derived from Measurements at the Protocol Interface", Prior to 12/22/97, pgs. 1-5

115 Dutta et al., "Modified Adaptive Multiuser Detector for DS-CDMA in Multipath Fading", Prior to 12/22/97, pgs. 1-7

116 Wolfe et al., "Field Strength Prediction in Indoor Environments with Neural Networks", Prior to 12/22/97, pgs. 1-5

117 Lawrence et al., "Northern Light Search Engine Leads the Pack- Others Fall Behind", 5/1/98, *Online Newsletter*, 19(5)pgs. 1-2118 Johnson, "Smart Technology Busting Out All Over Web", 6/15/98, *Electronic Engineering Times*, 1012 pgs. 1-6119 Notess, "Internet Search Engine Update", July 1, 1998, *Online*, Vol. v22:n4, pgs. 1-3120 Gallant, "Neural Network Learning and Expert Systems", 1994, *The MIT Press*, pgs. 132-137121 Chan et al., "Multipath Propagation Effects on a CDMA Cellular System", 1994, *IEEE*, pgs. 848-855122 Meadow, "Text Information Retrieval Systems", 1992, *Academic Press*, pgs. 204-209123 Iwayama et al., "Cluster-Based Text Catagorization: A Comparison of Category Search Strategies", 1995, *ACM-SIGIR*, pgs. 273-279124 Botafogo, "Cluster Analysis for Hypertext Systems", June 1993, *ACM-SIRIG*, pgs. 116-124125 Wang Baldonado et al., "SenseMaker: An Information-Exploration Interface Supporting the Contextual Evolution of a User s Interests", 1997, *ACM-CHI*, pgs. 11-18

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DP	126	Baldazo, "Navigating with a Web Compass: Quarterdeck Harnesses Leading-edge "Metasearch" Technology to Create a Smart Agent that Searches the Web and Organizes the Results", March 1996, <i>BYTE</i> , pgs. 97-98
DP	127	Striglis et al., "A Multistage RAKE Receiver for Improved Capacity of CDMA Systems", 1994, <i>IEEE Vehicular Technology Conference</i> , pgs. 1-5
DP	128	Weiss et al., "Hypursuit: A Hierarcical Network Search Engine that Exploits Content-Link Hypertext Clustering", 1996, <i>Hypertext</i> , pgs. 180-193

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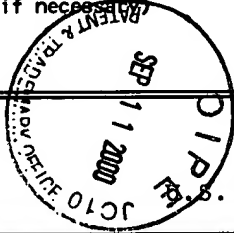
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DP	1	6,101,391	8/8/00	Ishizuka et al.	455	457	
DP	2	6,101,390	8/8/00	Jayaraman et al.	455	456	
DP	3	6,101,178	8/8/00	Beal	370	336	
DP	4	6,046,683	4/4/00	Pidwerbetsky et al.	340	825.54	

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